

レプトスピラおよび レプトネマ 5S リボソーム RNA 遺伝子の分離

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Isolation and Characterization of the 5S rRNA Genes in *Leptospira* and *Leptonema*

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ABSTRACT The genes encoding the 5S ribosomal RNA for the *Leptospira biflexa* strain Patoc I and *Leptonema illini* strain 3055 were isolated and sequenced. The 5S rRNA gene for the Patoc I encodes a 117-nucleotide long RNA molecule and the sequence exhibits a strong similarity to the *L. interrogans* strain Moulton but not to the *Leptonema illini* and typical eubacterial genes. The DNA fragment for the strain 3055 includes two genes for the 5S rRNA and shows that the 5S rRNA genes in this strain exists close to each other. The sequence of the gene is conserved to a lesser degree but overall secondary structure exhibit a strong similarity to a typical eubacterial 5S rRNA.

抄録 レプトスピラおよびレプトネマに分類されている細菌菌株の5Sリボソーム RNA遺伝子を分離、塩基配列を明らかにするとともに近傍の地図を作成した。